

ABSTRACT

A method and apparatus for desorption is disclosed that utilizes enhancements to lessen the amount of entrained particles formed during desorption and for lowering the operating and capital costs associated with desorption equipment. Multiple stage desorption is contemplated using multiple drums, with smaller drums being employed for volatilizing the waste components that require high temperatures. The method and apparatus may include an eductor scrubber attached directly or adjacent to the gas extraction port of a drum to prevent fouling of system apparatus. A plunger for cleaning the scrubber suction chamber is provided. The method and process may include injecting hot gas, which may be exhaust gas from a burner apparatus, into one or more desorption drums to lower heating costs.